

Converting Colors

$Yxy(50.9793, 0.2191, 0.2736)$

Have a look what the booklet for
Yxy(50.9793, 0.2191, 0.2736)
contains.

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Color

Yxy(50.8215, 0.2189, 0.2725)

Conversions

Conversions Part 1

Format	Color
Hex	4ACBF6
RGB	74, 203, 246
RGB Percent	29%, 80%, 96%
CMY	0.7091, 0.2040, 0.0353
CMYK	0.70, 0.17, 0.00, 0.04
HSL	195°, 91%, 63%
HSV	195°, 70%, 96%
XYZ	40.8251, 50.8215, 94.8544
YIQ	169.3310, -90.6870, -13.9750

Conversions

Conversions Part 2

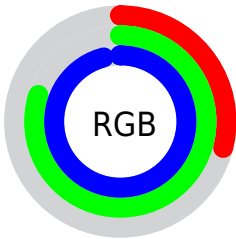
Format	Color
R _Y B	74, 148, 246
Decimal	4901878
CIE Lab	76.57, -21.76, -31.41
CIE LCh	77, 38.209, 235.287
Yxy	50.8215, 0.2189, 0.2725
Android (android.graphics.Color)	4283091958 (0xFF4ACBF6)
YUV	169.3310, 37.7978, -83.6053
Hunter-Lab	71.2892, -22.5348, -28.9863

Details

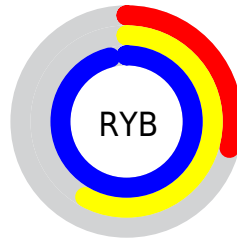
The Yxy color **50.8215, 0.2189, 0.2725** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **32.8603, 0.5131, 0.3695**, and the grayscale version is **39.7152, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4908, 0.2528, 0.3288**, and **25.2126, 0.2050, 0.2579** is the 20% darker color. If you saturate the color by 10%, you get **47.1763, 0.2111, 0.2631**, and if you desaturate by 10%, it is **54.9677, 0.2287, 0.2819**.

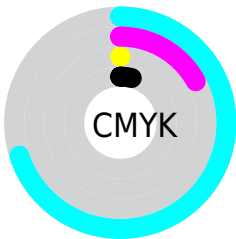
Distribution



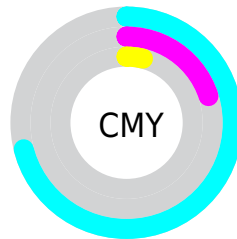
- Red (29%)
- Green (80%)
- Blue (96%)



- Red (29%)
- Yellow (58%)
- Blue (96%)



- Cyan (70%)
- Magenta (17%)
- Yellow (0%)
- Black (4%)





- Cyan (71%)
- Magenta (20%)
- Yellow (4%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 50.8215, 0.2189, 0.2725 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 50.8215, 0.2189, 0.2725 by changing the saturation by 10% instead.


 50.8215, 0.2189,
0.2725


 50.8215, 0.2189,
0.2725

 389.8699, 0.2630,
0.3010


 36.0666, 0.2088,
0.2655


 91.3909, 0.2342,
0.2828


 24.4856, 0.1964,
0.2566


 117.9741, 0.2402,
0.2867

 15.6942, 0.1809,
0.2450


 149.2689, 0.2453,
0.2900

 9.3081, 0.1610,
0.2293

 185.6596, 0.2498,
0.2928

 4.9427, 0.1350,
0.2074

 227.5307, 0.2537,
0.2953

 2.2137, 0.1006,
0.1754

 275.2665, 0.2572,

 0.7274, 0.0285,

0.2974

0.1294

329.2514, 0.2603,
0.2993

0.0000, 0.0000,
0.0000

50.8215, 0.2189,
0.2725

50.8215, 0.2189,
0.2725

47.1763, 0.2111,
0.2631

54.9677, 0.2287,
0.2819

43.9781, 0.2053,
0.2536

59.6504, 0.2402,
0.2910

41.1498, 0.2012,
0.2444

64.9077, 0.2532,
0.2997

41.1087, 0.2012,
0.2442

70.7718, 0.2673,
0.3080

77.2724, 0.2821,
0.3156

84.4370, 0.2975,
0.3227

92.2912, 0.3129,
0.3291

97.7008, 0.3181,
0.3350

99.4345, 0.3179,
0.3376

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



50.8215, 0.2276, 0.3142



50.8215, 0.2189, 0.2725



50.8215, 0.2322, 0.2502

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



50.8215, 0.2189, 0.2725



50.8215, 0.3671, 0.2938



50.8215, 0.3550, 0.4233

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



50.8215, 0.2189, 0.2725



32.8603, 0.5131, 0.3695

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



50.8215, 0.3966, 0.4075



50.8215, 0.2189, 0.2725



50.8215, 0.4055, 0.3325

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



50.8215, 0.2189, 0.2725



50.8215, 0.3147, 0.2638



50.8215, 0.4161, 0.3733



50.8215, 0.3040, 0.4090

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



50.8215, 0.2189, 0.2725



50.8215, 0.2526, 0.2466



50.8215, 0.4161, 0.3733



50.8215, 0.3706, 0.4209

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



50.8233, 0.2189, 0.2725



82.9619, 0.2803, 0.3148



68.6684, 0.2874, 0.5058



17.3295, 0.2762, 0.3127



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



50.8233, 0.2189, 0.2725



49.6333, 0.2084, 0.2590



20.8710, 0.1893, 0.1528



18.0140, 0.2980, 0.3229



22.1744, 0.2016, 0.2458



2.1109, 0.2049, 0.2574

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



28.8269, 0.3676, 0.2067



27.0666, 0.3823, 0.1967



62.8279, 0.4365, 0.4524



16.6932, 0.3176, 0.3114



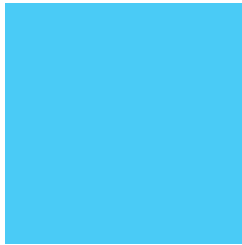
12.3379, 0.3965, 0.1958



1.1007, 0.3849, 0.1894

Previews

White Background



This preview shows how the Yxy color 50.8215, 0.2189, 0.2725 looks on a white background.

Color Contrast Check

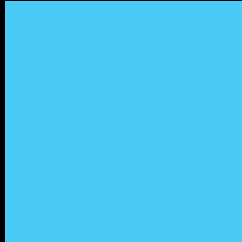
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 50.8215, 0.2189, 0.2725 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

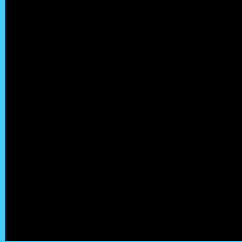
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.8215, 0.2189, 0.2725

Background



This preview shows how black text looks on a background with the Yxy color 50.8215, 0.2189, 0.2725.



This preview shows how white text looks on a background with the Yxy color 50.8215, 0.2189, 0.2725.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

50.8215, 0.2189, 0.2725

Protanopia

50.2311, 0.2719, 0.2722

Deuteranopia

50.2580, 0.2582, 0.2524



Tritanopia

50.9373, 0.2251, 0.3052

Trichromacy



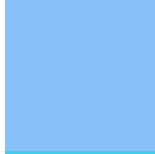
Original Color

50.8215, 0.2189, 0.2725



Protanomaly

49.3613, 0.2464, 0.2707



Deuteranomaly

49.7731, 0.2393, 0.2583



Tritanomaly

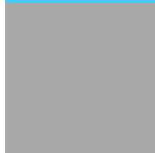
51.0926, 0.2230, 0.2935

Monochromacy



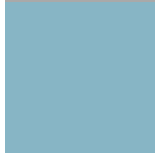
Original Color

50.8215, 0.2189, 0.2725



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

42.2299, 0.2654, 0.3063

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.8215, 0.2189, 0.2725 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(74, 203, 246)` looks like.

```
.text, #text, p{  
    color:rgb(74, 203, 246)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(74, 203, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 203, 246) }
```

Border

The CSS property to change the border of an element to Yxy 50.8215, 0.2189, 0.2725 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(74, 203, 246) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(74, 203, 246) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(74, 203, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 203, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 203, 246);  
box-shadow:4px 4px 4px 4px rgb(74, 203,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 50.8215, 0.2189, 0.2725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 203, 246) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(74, 203,  
246) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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